

Please note that all values in the test table where measured on following system: 4 x 16-Core Gold 6142M 2.60GHz, 3072 GB RAM.

Table 1: Test Table:

test name - Fig. #	resolution ( $x \times y \times \omega$ )	runtime [s]	memory consumption
“drain” - ??	$101 \times 101 \times 64 = 652864$	179878	$4 \times 652864 \times 8 \text{ byte} + (101 \times 101 + 19 \times 64) \times 8 \text{ byte} \approx 20.99 \text{ MB}$
“inverse” - ??	$101 \times 101 \times 64 = 652864$	68787	$4 \times 652864 \times 8 \text{ byte} + (101 \times 101 + 19 \times 64) \times 8 \text{ byte} \approx 20.99 \text{ MB}$
“isotropic” - ??	$51 \times 51 \times 32 = 163216$	1357	$4 \times 163216 \times 8 \text{ byte} + (51 \times 51 + 19 \times 32) \times 8 \text{ byte} \approx 3.33414 \text{ MB}$
“rings” - ??	$51 \times 51 \times 32 = 163216$	5761	$4 \times 163216 \times 8 \text{ byte} + (51 \times 51 + 19 \times 32) \times 8 \text{ byte} \approx 3.33414 \text{ MB}$
“bow” - ??	$51 \times 51 \times 32 = 163216$	6128	$4 \times 163216 \times 8 \text{ byte} + (51 \times 51 + 19 \times 32) \times 8 \text{ byte} \approx 3.33414 \text{ MB}$
“star” - ??	$51 \times 51 \times 32 = 163216$	5815	$4 \times 163216 \times 8 \text{ byte} + (51 \times 51 + 19 \times 32) \times 8 \text{ byte} \approx 3.33414 \text{ MB}$
“inverse” - ??	$101 \times 101 \times 16 = 163216$	12308	$4 \times 163216 \times 8 \text{ byte} + (101 \times 101 + 19 \times 16) \times 8 \text{ byte} \approx 6.53107 \text{ MB}$
“inverse” - ??	$101 \times 101 \times 32 = 326432$	24571	$4 \times 326432 \times 8 \text{ byte} + (101 \times 101 + 19 \times 32) \times 8 \text{ byte} \approx 13.0621 \text{ MB}$
“inverse” - ??	$51 \times 51 \times 64 = 166464$	11657	$4 \times 166464 \times 8 \text{ byte} + (51 \times 51 + 19 \times 64) \times 8 \text{ byte} \approx 6.66829 \text{ MB}$
“brain” - ??	$128 \times 128 \times 64 = 1048576$	2427	$4 \times 166464 \times 8 \text{ byte} + (128 \times 128 + 19 \times 64) \times 8 \text{ byte} \approx 41.9528 \text{ MB}$
“heart” - ??	$256 \times 256 \times 32 = 2097152$	TODO	$4 \times 2097152 \times 8 \text{ byte} + (256 \times 256 + 19 \times 64) \times 8 \text{ byte} \approx 83.8909 \text{ MB}$